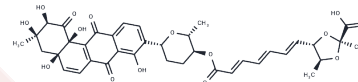


## Dioxamycin

## Chemical Properties

CAS No. :	134861-62-4
Formula:	C <sub>38</sub> H <sub>40</sub> O <sub>15</sub>
Molecular Weight:	736.715
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Dioxamycin exhibits activity against Gram-positive bacteria and inhibits Staphylococcus aureus 209P with a minimum inhibitory concentration (MIC) of 3.12 µg/mL. It also suppresses the proliferation of L1210, P388, IMC, LX-1, and SC-6 cells with IC50 values (µg/mL) of 2.7, 1.4, 6.0, 2.0, and 2.5, respectively.
Targets(IC50)	Antibacterial, Antibiotic

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3574 mL	6.7868 mL	13.5737 mL
5 mM	0.2715 mL	1.3574 mL	2.7147 mL
10 mM	0.1357 mL	0.6787 mL	1.3574 mL
50 mM	0.0271 mL	0.1357 mL	0.2715 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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